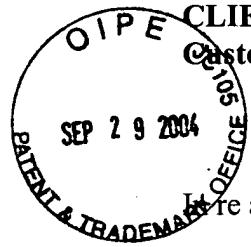


DOCKET NO.: P05810  
CLIENT NO.: NATI15-05810  
Customer No.: 23990

*JFH*  
PATENT



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Re application of : RICHARD W. FOOTE  
U.S. Serial No. : 10/781,166  
Filed : February 18, 2004  
For : SYSTEM AND METHOD FOR PROVIDING A UNIFORM OXIDE LAYER OVER A LASER TRIMMED FUSE WITH A DIFFERENTIAL WET ETCH STOP TECHNIQUE  
Group No. : 2829  
Examiner : Not Yet Assigned

**MAIL STOP AMENDMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

**CERTIFICATE OF MAILING BY FIRST CLASS MAIL**

The undersigned hereby certifies that the following documents:

1. Postcard receipt;
2. Information Disclosure Statement;
3. Forms PTO/SB/08A and PTO/SB/08B; and
4. Thirty-three (33) references.

relating to the above application, were deposited as "First Class Mail" with the United States Postal Service, addressed to, MAIL STOP AMENDMENT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on Sept 27, 2004.

Date: Sept 27, 2004

Kathy Hamilton  
Mailer

Date: Sept. 24, 2004

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Examiner : Not Yet Assigned

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P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

**INFORMATION DISCLOSURE STATEMENT**

Pursuant to the duty of disclosure under 37 C.F.R. § 1.56, Applicant submits this statement.

This submittal is made in accordance with 37 C.F.R. §§ 1.97 and 1.98 and § 609 of the Manual of Patent Examining Procedure. The patents and publications herein are listed below and on the attached Forms PTO/SB/08A and PTO/SB/08B. Copies of the listed patents and publications are submitted herewith.

| <u>U.S. Patent No.</u> | <u>Inventor</u>  | <u>Date</u>      |
|------------------------|------------------|------------------|
| 4,217,570              | Holmes           | August 12, 1980  |
| 4,413,272              | Mochizuki et al. | November 1, 1983 |
| 4,455,194              | Yabu et al.      | June 19, 1984    |

|           |                  |                    |
|-----------|------------------|--------------------|
| 4,602,420 | Saito            | July 29, 1986      |
| 5,096,850 | Lippitt, III     | March 17, 1992     |
| 5,232,874 | Rhodes et al.    | August 3, 1993     |
| 5,235,205 | Lippitt, III     | August 10, 1993    |
| 5,258,096 | Sandhu et al.    | November 2, 1993   |
| 5,538,924 | Chen             | July 23, 1996      |
| 5,585,662 | Ogawa            | December 17, 1996  |
| 5,598,027 | Matsuura         | January 28, 1997   |
| 5,821,160 | Rodriguez et al. | October 13, 1998   |
| 5,872,390 | Lee et al.       | February 16, 1999  |
| 5,895,963 | Yamazaki         | April 20, 1999     |
| 6,017,824 | Lee et al.       | January 25, 2000   |
| 6,025,214 | Reddy et al.     | February 15, 2000  |
| 6,046,488 | Kawasaki et al.  | April 4, 2000      |
| 6,100,116 | Lee et al.       | August 8, 2000     |
| 6,180,503 | Tzeng et al.     | January 30, 2001   |
| 6,294,474 | Tzeng et al.     | September 25, 2001 |
| 6,307,213 | Huang et al.     | October 23, 2001   |
| 6,399,472 | Suzuki et al.    | June 4, 2002       |
| 6,617,664 | Hayashi et al.   | September 9, 2003  |
| 6,677,226 | Bowen et al.     | January 13, 2004   |

### Publications

Simon S. Cohen et al., "Laser-Induced Melting of Thin Conducting Films: Part I-The Adiabatic Approximation", IEEE Transactions on Electron Devices, Vol. 38, No. 9, September 1991, Pp. 2042-2050.

Joseph B. Bernstein et al., "Laser Energy Limitation for Buried Metal Cuts" IEEE Electron Device Letters, Vol. 19, No 1, January 1998, Pp. 4-6.

Simon S. Cohen et al., "Laser-Induced Melting of Thin Conducting Films: Part II-Heat-Dissipating Substrates", IEEE Transactions on Electron Devices, Vol. 38, No. 9, September 1991, Pp. 2051-2057.

Will R. Moore, "A Review of Fault-Tolerant Techniques for the Enhancement of Integrated Circuit Yield", Proceedings of the IEEE, Vol. 74, No. 5, May 1986, Pp. 684-698.

Yunlong Sun et al., "Optimization of Memory Redundancy Laser Link Processing", SPIE Vol. 2636, Pp. 152-164.

Don Smart et al., "Link Processing with Lasers", General Scanning Inc. 1998, Pp. 1-20.

Ronald P. Cenker et al., "A Fault-Tolerant 64K Dynamic Random-Access Memory", IEEE Transactions on Electron Devices, Vol. ED-26, No. 6, June 1979, Pp. 853-860.

A. S. Tenney et al., "Etch Rates of Doped Oxides in Solutions of Buffered HF", J. Electrochem Soc.: Solid-State Science and Technology, August 1973, Pp. 1091-1095.

Gang Yang, "Laser Energy Window Simulation for Metal Cut Structure" Thesis for the Degree of Master of Science, University of Maryland, 1999, 104 pages.

Applicant hereby expressly reserves the right to swear behind the effective dates of any of the above Patents and to question the relevance and materiality of the Patents and Publications listed herein, in whole, in part, or in combination, subsequent to filing this Information Disclosure Statement.

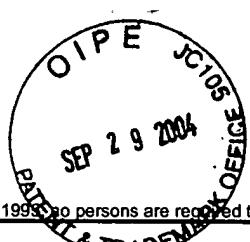
Respectfully submitted,

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet

1

of 3

## Complete if Known

|                        |                   |
|------------------------|-------------------|
| Application Number     | 10/781,166        |
| Filing Date            | February 18, 2004 |
| First Named Inventor   | Richard W. Foote  |
| Art Unit               | 2829              |
| Examiner Name          | Not Yet Assigned  |
| Attorney Docket Number | P05810            |

## U. S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number                          | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|--------------------|-----------------------|--|--------------------------------|--|---|
|                    |                       | Number-Kind Code <sup>2</sup> (if known) |                                |  |   |
| AA                 | US- 4,217,570         |  | 08/12/1980                     | Holmes   |   |
| AB                 | US- 4,413,272         |  | 11/01/1983                     | Mochizuki et al.                                   |   |
| AC                 | US- 4,455,194         |  | 06/19/1984                     | Yabu et al.  |   |
| AD                 | US- 4,602,420         |  | 07/29/1986                     | Saito  |   |
| AE                 | US- 5,096,850         |  | 03/17/1992                     | Lippitt, III                                       |   |
| AF                 | US- 5,232,874         |  | 08/03/1993                     | Rhodes et al.                                      |   |
| AG                 | US- 5,235,205         |  | 08/10/1993                     | Lippitt, III                                       |   |
| AH                 | US- 5,258,096         |  | 11/02/1993                     | Sandhu et al.                                      |   |
| AI                 | US- 5,538,924         |  | 07/23/1996                     | Chen   |   |
| AJ                 | US- 5,585,662         |  | 12/17/1996                     | Ogawa  |   |
| AK                 | US- 5,598,027         |  | 01/28/1997                     | Matsuura   |   |
| AL                 | US- 5,821,160         |  | 10/13/1998                     | Rodriguez et al.                                   |   |
| AM                 | US- 5,872,390         |  | 02/16/1999                     | Lee et al.   |   |
| AN                 | US- 5,895,963         |  | 04/20/1999                     | Yamazaki   |   |
| AO                 | US- 6,017,824         |  | 01/25/2000                     | Lee et al.   |   |
| AP                 | US- 6,025,214         |  | 02/15/2000                     | Reddy et al.                                       |   |
| AQ                 | US- 6,046,488         |  | 04/04/2000                     | Kawasaki et al.                                    |   |
| AR                 | US- 6,100,116         |  | 08/08/2000                     | Lee et al.   |   |
| AS                 | US- 6,180,503         |  | 01/30/2001                     | Tzeng et al.                                       |   |

## FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
|--------------------|-----------------------|---|--------------------------------|--|---|----------------|
|                    |                       | Country Code <sup>3</sup> "Number" "Kind Code <sup>5</sup> (if known) |                                |  |   |                |
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Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

2

of 3

**Complete if Known**

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| Application Number     | 10/781,166        |
| Filing Date            | February 18, 2004 |
| First Named Inventor   | Richard W. Foote  |
| Art Unit               | 2829              |
| Examiner Name          | Not Yet Assigned  |
| Attorney Docket Number | P05810            |

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| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document   | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>Or Relevant Figures Appear | T <sup>6</sup> |
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|                    |                       | Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known) |                                |  |   |                |
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|                              |   |    |   | <b>Application Number</b>   | 10/781,166        |
|                              |   |    |   | <b>Filing Date</b>          | February 18, 2004 |
|                              |   |    |   | <b>First Named Inventor</b> | Richard W. Foote  |
|                              |   |    |   | <b>Art Unit</b>             | 2829              |
|                              |   |    |   | <b>Examiner Name</b>        | Not Yet Assigned  |
| Sheet                        | 3 | of | 3 | Attorney Docket Number      | P05810            |

| <b>NON PATENT LITERATURE DOCUMENTS</b> |                       |   |  |  |                |
|--|-----------------------|---|--|--|----------------|
| Examiner Initials*                     | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |  |  | T <sup>2</sup> |
|  | CA                    | Simon S. Cohen et al., "Laser-Induced Melting of Thin Conducting Films: Part I-The Adiabatic Approximation", IEEE Transactions on Electron Devices, Vol. 38, No. 9, September 1991, Pp. 2042-2050.  |  |  |                |
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|  | CD                    | Will R. Moore, "A Review of Fault-Tolerant Techniques for the Enhancement of Integrated Circuit Yield", Proceedings of the IEEE, Vol. 74, No. 5, May 1986, Pp. 684-698.   |  |  |                |
|  | CE                    | Yunlong Sun et al., "Optimization of Memory Redundancy Laser Link Processing", SPIE Vol. 2636, Pp. 152-164.   |  |  |                |
|  | CF                    | Don Smart et al., "Link Processing with Lasers", General Scanning Inc. 1998, Pp. 1-20.  |  |  |                |
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|  | CH                    | A. S. Tenney et al., "Etch Rates of Doped Oxides in Solutions of Buffered HF", J. Electrochem Soc.: Solid-State Science and Technology, August 1973, Pp. 1091-1095.   |  |  |                |
|  | CI                    | Gang Yang, "Laser Energy Window Simulation for Metal Cut Structure" Thesis for the Degree of Master of Science, University of Maryland, 1999, 104 pages.  |  |  |                |
|  |                       |   |  |  |                |

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